REPLACEMENT SHEET

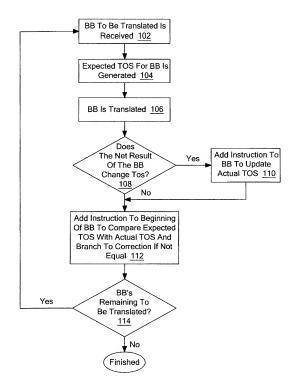


FIG. 1

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP (303) /40-120
Title: Executing a Translated Block of Instructions and Branching to
Correction Code When Expected Top of Stack Dose Not Match Actual...

Filling Date: 9/29/00 Sheet: 2 of 4 REPLACEMENT SHEET

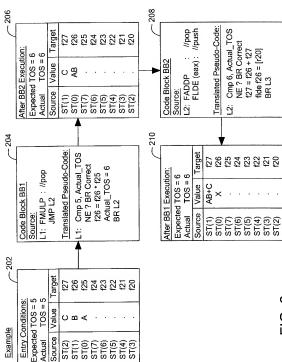


FIG. 2

Attorney Docket No: 42P7512
REPLACEMENT SHEET

Target Target After Correction Code: -316 After BB2 Execution: Expected TOS = 5 TOS = 5Expected TOS = 6 TOS = 6Value Value AB+C Actual Source Source ST(6) Actual ST(1) ST(5) ST(4) ST(2) ST(1) ST(0) ST(7) ST(5) ST(4) ST(3) ST(0) ST(7) ST(6) ST(3) ST(2) 306 -314 ▼ Translated Pseudo-Code: FLDE (eax): //push Correction Pseudo-Code Cmp 6, Actual_TOS Delta = Expected_TOS-NE? BR Correct Rotate_Stack(Delta) L2: FADDP: //pop Actual_TOS 126 = 126 + 125Ide f26 = [f20] Code Block BB2 Return (to L1) JMP L3 BR L3 Source: 304 -312 Translated Pseudo-Code: Cmp 5, Actual_TOS Target 25 25 f24 f23 f22 f21 20 VE? BR Correct Actual_TOS = 6 L1: FMULP : //pop JMP L2 After BB1 Execution: 126 = f26 * f25 TOS = 6Expected TOS = 6 Code Block BB1 Value S G Source: Source Actual ST(1) ST(0) ST(7) ST(5) ST(4) ST(3) ST(6) <u>::</u> -310 302 Translated Pseudo-Code: Cmp 5, Actual_TOS Target 25 25 22 22 20 20 NE? BR Correct Actual_TOS = 6 L1: FMULP: //pop f26 = f26 * f25 Expected TOS = 5 TOS = 4Entry Conditions: Code Block BB1 Value \Box JMP L2 BR L2 Source Source: Actual ST(3) ST(2) ST(1) ST(0) ST(7) ST(6) ST(5) ST(4) Ξ:

FIG. 3

Attorney Docket No: 42P7512 REPLACEMENT SHEET

